

## m-PEG4-phosphonic acid ethyl ester

### Chemical Properties

CAS No. : 1872433-73-2

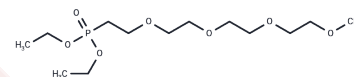
Formula: C<sub>13</sub>H<sub>29</sub>O<sub>7</sub>P

Molecular Weight: 328.34

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



### Biological Description

Description	m-PEG4-phosphonic acid ethyl ester is a PEGylation-based linker used in the design and synthesis of PROTACs, which are heterobifunctional molecules that facilitate targeted protein degradation[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands joined by a linker, target an E3 ubiquitin ligase and a specific protein, utilizing the intracellular ubiquitin-proteasome system for selective protein degradation[1].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0456 mL	15.2281 mL	30.4562 mL
5 mM	0.6091 mL	3.0456 mL	6.0912 mL
10 mM	0.3046 mL	1.5228 mL	3.0456 mL
50 mM	0.0609 mL	0.3046 mL	0.6091 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481